

Application Number: 09/509,377

Date: April 14, 2005

Listing of claims, corrected in response to Notice of
Non-Compliant Amendment from March 18, 2005

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Listing of claims.

Claim 1 (Currently amended): An endoscope with disposable cartridges for the invagination of endoscopic tube, comprising

- o an endoscopic tube (3) having a distal part nearest to tube's distal end with a guided distal end,
- o ~~an invaginator of the endoscope tube, which is an elastic tube inflated and everted for invagination of the endoscope tube into the explored channel, said elastic tube is gathered by pleats and has an uneverted end,~~

~~wherein the improvement comprises an invaginator whose uneverted end is coupled with said distal part of the endoscope tube, at that said invaginator is held on said distal part of the endoscope tube.~~

- o a disposable cartridge located on the distal part of the endoscopic tube (3) and comprising an invaginator of the endoscopic tube, which invaginator is an eversible tube with an uneverted end (7) joined with the endoscopic tube (3), and an uneverted part of invaginator formed by pleats into a compact hollow cylinder (23), having a gap (25) with the distal part of the endoscopic tube (3).

Claims 2 and 3 (Not entered).

Claim 4 (Currently amended). The endoscope according to claim 2 ~~or 3~~ 1, wherein said the cylinder (23) of the invaginator has comprises narrowings (24) of its external diameter and widenings (24) of its internal diameter.

Claim 5 (Currently amended). The endoscope according to ~~any of claims 1 to 3~~ claim 1, further comprising a shell for conducting the distal part of said endoscope tube with invaginator along rectum, at that the diameter of said shell is commensurate to the diameter of said invaginator, wherein the cartridge comprises a shell (22), which contains the cylinder (23) of the invaginator.

Claims 6-9 (Not entered).

Claim 10 (Currently amended). The endoscope according to ~~any of claims 1 to 3~~ claim 1, further comprising wherein the cartridge comprises a preservative (26) of the distal part of the endoscopic tube (3), which preservative is united with a tip (6) of the endoscopic tube (3) at that the proximal end of preservative and the tip have areas for hermetic fixation to the distal part of said endoscope tube and comprises areas (28) for the hermetic fixation to the endoscopic tube (3).

Claim 11 (Currently amended). The endoscope according to claim 4 ~~or 4~~ 4, wherein the tip (6) comprises a protective glass (33) and communicates with a cavity of intestines.

Claim 12 (Currently amended). The endoscope according to any of claims 1 to 3 ~~6~~ 6, further comprising a mechanism (53) for introduction of the endoscopic tube (3) into the everted part of invaginator, which is a cylinder-piston unit having a hermetic cavity, confined by a cylinder, a piston and a segment of an elastic

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tube, connected to fluid pressure which mechanism comprises a hermetic cavity (60), limited by a cylinder (56), a piston (57), an elastic tube (59) and is connected to fluid pressure.

Claim 13 (Currently amended). The endoscope according to any of claims 1 to ~~((3))~~ 6, wherein the endoscopic tube (3) has a comprises internal transverse pleats (48) of its external cover, which are directed inwards.

Claim 14 (Not entered).

Claim 15 (Currently amended). The endoscope according to any of claims 1 to ~~((3))~~ 6, wherein the endoscopic tube (3) comprises distal drives of traction lines (40, 41); bending the distal end of the endoscopic tube (3), which drives are comprise executing cylinder-piston units connected to the pressure of gas or liquid.

Claim 16 (Not entered).

Claim 17 (Currently amended). The endoscope according to any of claims 1 to ~~((3))~~ 6, wherein the endoscopic tube (3) has comprises a biopsy channel, connected to fluid pressure and biopsy forceps (63), which are a flexible hermetic tube with a piston (66) of the biopsy channel on the distal end of said tube.

Claim 18 (Currently amended). The endoscope according to claim 4 ~~7~~ 11, wherein the biopsy forceps (63) have a distal drive of forceps which is a cylinder-piston unit connected to fluid pressure comprise an intensifier (71) of a traction line, which intensifier comprises an executing cylinder-piston unit, located on the distal end of the hermetic tube and of the traction line.

Claim 19 (Not entered).

Claim 20 (Not entered).

Claim 21 (New). The endoscope according to claim 5, wherein the tip (6) comprises a channel (32) for inflation of the intestines and prevention of ingress of intestinal contents under the protective glass (33).

Claim 22 (New). The endoscope according to any of claims 4 to 6, wherein the endoscopic tube (3) comprises areas (28) for the hermetic fixation of the distal preservative (28) united with the tip (6).

Faithfully Yours,

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